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From: Aarnio Ari (NVO/Helsinki)
To: Patent-Agency Banner-Witcoff (EXT-RES/Washington)
Cc:
Subject: 19128 New case
Sent: 6/1/01 5:05 PM

Importance: Normal

Hi Brad,

Here is one more case for drafting.

Banner & Witcoff Ltd

1001 G Street, N.W.
Washington, DC 200001-4597
USA

28.05.2001
Intended U.S. Patent Application
Entitled "ZOOM-BROWSER; A DEVICE AND METHOD FOR ZOOMING
AND PANNING "

Your Ref:
Our Ref: 19128

Rating: 3

Inventor(s):

— Miika Silfverberg
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Citizenship: Finn

— Panu Korhonen
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Citizenship: Finn

Scott MacKenzie
Office Address: Informed later on

Citizenship: ? (is requested from inventor)

Dear Sirs,
Please start to draft a new patent application in the name of Nokia Corporation.
This new application will be a merged of two inventions received from Nokia Employees (Our case 19128).
The patent application shall be filed according to the following information:
Assignee: Nokia Corporation
Street Address: Keilalahdentie 4, FIN-02150 ESPOO, Finland
Post Address: P.O.Box 228, FIN-00045 NOKIA GROUP, Finland

Inventor/s: as above
Phone: +358951121

Due date: 15th July, 2001 as filed US application. Hopefully if you have time already by the end of this month.

This invention may be applied to portable terminal.

Invention to be protected is:

This invention places two control means (such as touchpads) on the back of the two-handed hand-held device. One pad is used for smooth zooming-in and out, the other for smooth panning (i.e. moving the window content). These operations can be done simultaneously. The control means for zooming and browsing can be a touchpad, joystick, a navibar, a trackball or a roller.

US 5,999,169: COMPUTER GRAPHICAL USER INTERFACE METHOD AND SYSTEM FOR SUPPORTING MULTIPLE TWO-DIMENSIONAL MOVEMENT INPUTS [= the IBM scroll-mouse],

WO 99/54807: GRAPHICAL USER INTERFACE TOUCH SCREEN WITH AN AUTO ZOOM FEATURE,

WO 99/32960: A HAND-HELD DISPLAY DEVICE AND A METHOD OF DISPLAYING SCREEN IMAGES,

US 5,530,455: ROLLER MOUSE FOR IMPLEMENTING SCROLLING IN WINDOWS APPLICATIONS,



US 5,374,942: MOUSE AND METHOD FOR CONCURRENT CURSOR POSITION AND SCROLLING CONTROL,

US 6,031,518: ERGONOMIC INPUT DEVICE,

US 5,943,052: METHOD AND APPARATUS FOR SCROLL BAR CONTROL.

If you have anything to ask, please feel free to contact me.

BR Ari

 [NC19128ZoomBrowser.doc](#)  [IR19128.doc](#)

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